

Amendments to the Claims

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims regarding the present application.

- 1 1. (Previously presented) A menu-driven electronic device comprising:
2 a. a display configured to selectively display at least one of a plurality of menus,
3 including a main menu and a sub-menu; and
4 b. a two-dimensional navigation key configured as a single-button including four
5 sets of contact points, wherein the two-dimensional navigation key is configured
6 to select and perform an action corresponding to one of a plurality of main menu
7 items of the main menu and to select and perform an action corresponding to a
8 sub-menu item of the sub-menu associated with a selected main menu item using
9 the four sets of contact points.

- 1 2. (Original) The device according to claim 1, wherein at least a portion of the plurality of
2 main menu items is displayed, and further wherein both the main menu and the sub-menu
3 can be accessed by maintaining contact with the two-dimensional key.

- 1 3. (Original) The device according to claim 1, wherein the device is configured to allow
2 navigation through the plurality of menus by using the two-dimensional navigation key.

- 1 4. (Original) The device according to claim 1, wherein the device is configured to allow
2 navigation through the plurality of menus while maintaining tactile contact with the two-
3 dimensional navigation key.

- 1 5. (Original) The device according to claim 1, wherein the device is configured to allow
2 toggling among at least two control levels by a single access of the two-dimensional
3 navigation key.

- 1 6. (Original) The device according to claim 1, wherein the device is configured to allow
2 toggling between the main menu and one of the plurality of main menu items by using a

3 first direction of the two-dimensional navigation key and to allow toggling between the
4 selected main menu item and the sub-menu associated with the selected main menu item
5 by using a second direction of the two-dimensional navigation key.

1 7. (Original) The device according to claim 1, wherein the device is configured to allow
2 scrolling among at least two control levels by a single access of the two-dimensional
3 navigation key.

1 8. (Original) The device according to claim 1, wherein the device is configured to display
2 the selected main menu item simultaneously with the sub-menu associated with the
3 selected main menu item.

1 9. (Original) The device according to claim 1, wherein the device is configured to display
2 the selected main menu item simultaneously with a plurality of sub-menu items
3 associated with the selected main menu item.

1 10. (Original) The device according to claim 1, wherein the plurality of menus are organized
2 in a menu tree.

1 11. (Original) The device according to claim 1, wherein the main menu further comprises a
2 main menu item icon representing a main menu item.

1 12. (Original) The device according to claim 11, wherein the device is configured to display
2 the main menu item icon to provide a visual reference to an item in the menu tree of the
3 menu being displayed.

1 13. (Original) The device according to claim 12, wherein when the device displays at least a
2 portion of the main menu, the main menu item icon is displayed in a first appearance, and
3 when the device displays the sub-menu, the main menu item icon is displayed in a second
4 appearance different from the first appearance.

1 14. (Original) The device according to claim 13, wherein the first appearance differs from
2 the second appearance by at least one of size, shape, color, highlighting, and pattern.

1 15. (Original) The device according to claim 14, wherein when the device displays the sub-
2 menu, the main menu item icon is displayed in a third size different from the first size and
3 the second size.

1 16. (Original) The device according to claim 9, wherein the main menu further comprises a
2 non-graphical listing of the plurality of sub-menu items of the sub-menu associated with
3 the selected main menu item.

1 17. (Original) The device according to claim 1, wherein the device is a phone.

1 18. (Canceled) A menu-driven wireless telecommunications device comprising:
2 a. a display configured to selectively display at least one of a plurality of menus,
3 including a main menu and a sub-menu; and
4 b. a two-dimensional navigation key configured as a single-button including four
5 sets of contact points, wherein the two-dimensional navigation key is configured
6 to select and perform an action corresponding to one of a plurality of main menu
7 items of the main menu and to select and perform an action corresponding to a
8 sub-menu item of the sub-menu associated with a selected main menu item using
9 the four sets of contact points,
10 wherein the device displays a plurality of sub-menu items.

1 19. (Canceled) The device according to claim 18, wherein when the device displays on the
2 display the sub-menu associated to the selected main menu item, a main menu icon is
3 displayed in the sub-menu to provide a visual reference to the selected main menu item
4 in the menu tree of the menu being displayed.

1 20. (Canceled) The device according to claim 18, wherein the plurality of menus includes a
2 first sub-menu and a second sub-menu, wherein the first sub-menu further comprises a
3 plurality of first sub-menu items and further wherein one of the plurality of first sub-menu
4 items is associated to a second sub-menu.

- 1 21. (Canceled) The device according to claim 20, wherein the second sub-menu further
2 comprises a plurality of second sub-menu items.
- 1 22. (Canceled) The device according to claim 21, wherein a third orientation of the two-
2 dimensional navigation key is configured to select one of the plurality of second sub-
3 menu items.
- 1 23. (Previously presented) A menu-driven wireless telecommunications device comprising:
2 a. a display configured to selectively display at least one of a plurality of menus,
3 including a main menu, a first sub-menu, and a second sub-menu; and
4 b. a two-dimensional navigation key configured as a single-button including four
5 sets of contact points, wherein the two-dimensional navigation key is configured
6 to select and perform an action corresponding to one of a plurality of main menu
7 items of the main menu, to select and perform an action corresponding to a first
8 sub-menu item of the first sub-menu associated with a selected main menu item,
9 and further to select and perform an action corresponding to a second sub-menu
10 item of the second sub-menu associated with the selected main menu item using
11 the four sets of contact points.
- 1 24. (Original) The device according to claim 23, wherein the device is configured to allow
2 scrolling between the main menu and one of the plurality of main menu items by using a
3 first direction of the two-dimensional navigation key, to allow scrolling between the
4 selected main menu item and the first sub-menu associated with the selected main menu
5 item by using a second direction of the two-dimensional navigation key, and further to
6 allow scrolling between the second sub-menu associated with the selected main menu
7 item and a second sub-menu item by using a third direction of the two-dimensional
8 navigation key.
- 1 25. (Original) The device according to claim 24, wherein the third direction corresponds
2 with the first direction of the two-dimensional navigation key.

- 1 26. (Original) The device according to claim 23, wherein the device is configured to display
2 a main menu item icon to provide a visual reference to an item in a menu tree of the menu
3 being displayed.
- 1 27. (New) A menu-driven wireless telecommunications device comprising:
2 a. a display configured to selectively display at least one of a plurality of menu trees,
3 including a plurality of main menus, each having a plurality of sub-menus; and
4 b. a two-dimensional navigation key configured as a single-button configured to
5 operate along two orthogonal paths such that each of the orthogonal paths has two
6 directions along the path wherein:
7 i. operating the key along a first of the orthogonal paths selects a preferred
8 main menu from among the plurality of main menus;
9 ii. operating the key along a second of the orthogonal paths selects a
10 preferred sub-menu among the plurality of sub-menus; and
11 iii. operating the key along the first orthogonal path activates the selected
12 sub-menu.
- 1 28. (New) The device according to claim 27, wherein when the menu trees have multiple
2 sub-menu levels such that each next level is traversed by changing between the first
3 orthogonal path and the second orthogonal path unto a lowest level is achieved wherein a
4 selected lowest level sub-menu is activated by changing between the first orthogonal path
5 and the second orthogonal path.
- 1 29. (New) The device according to claim 27, wherein the plurality of menus includes a first
2 sub-menu and a second sub-menu, wherein the first sub-menu further comprises a
3 plurality of first sub-menu items and further wherein one of the plurality of first sub-menu
4 items is associated to a second sub-menu.
- 1 30. (New) The device according to claim 29, wherein the second sub-menu further
2 comprises a plurality of second sub-menu items.

- 1 31. (New) The device according to claim 30, wherein a third orientation of the two-
2 dimensional navigation key is configured to select one of the plurality of second sub-
 menu items.